



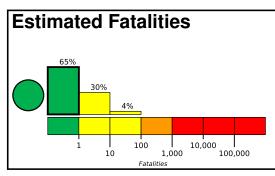


PAGER Version 4

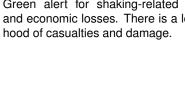
Created: 3 weeks, 6 days after earthquake

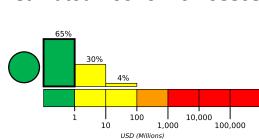
M 5.8, 53 km SW of Caete, Chile

Origin Time: 2023-12-24 03:23:42 UTC (Sat 22:23:42 local) Location: 38.0766° S 73.8940° W Depth: 10.8 km



Green alert for shaking-related fatalities Estimated Economic Losses and economic losses. There is a low likeli-





Estimated Population Exposed to Earthquake Shaking

							<u> </u>			
ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	3,016k	342k	4k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	D SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

5000

Loncoche

Population Exposure

75.1°W 73.8°W 72.4°W 36.6°S Icahuano Coronel rauco Curanilahue 37.8°S Canete Angol Collipulli Victoria Lautaro emuco 38.9°S Pitrufquen

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/us7000ll6h#pager

population per 1 sq. km from Landscan **Structures**

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1998-04-01	277	6.7	V(284k)	_
1960-05-22	77	9.6	IX(227k)	_
1960-05-22	77	9.6	IX(227k)	0

Selected City Exposure

from Ge	eoNames.org	
MMI	City	Population
IV	Canete	20k
IV	Lebu	22k
IV	Curanilahue	31k
IV	Carahue	12k
IV	Arauco	25k
IV	Angol	45k
Ш	Temuco	238k
Ш	Concepcion	215k
Ш	Talcahuano	253k
Ш	Valdivia	133k
Ш	Chillan	150k

bold cities appear on map.

(k = x1000)

^{*}Estimated exposure only includes population within the map area.